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## SOCIETIES AND ACADEMIES

THE AMERICAN SOCIETY OF ICHTHYOLOGISTS  
AND HERPETOLOGISTS

ON March 8, 1916, at the American Museum of Natural History, New York, occurred the inauguration and first general meeting of a new biological organization, "The American Society of Ichthyologists and Herpetologists."

Officers were elected as follows:

*President*, Professor Bashford Dean.

*Vice-presidents*, Dr. Leonhard Stejneger, Dr. Barton W. Evermann, Dr. Charles R. Eastman.

*Treasurer*, Mr. Raymond L. Ditmars.

*Secretary*, Mr. John T. Nichols, American Museum of Natural History.

*Publication Committee of Copeia*, Messrs. J. T. Nichols, Henry W. Fowler and Dwight Franklin.

According to the by-laws adopted, the object of the society shall be to advance the science of fishes, batrachians and reptiles. Members shall be chosen from among persons interested in the subjects, and the business of the association shall be vested in the hands of a board of governors who are not to exceed fifty in number. Membership dues are two dollars a year, a certain proportion of the receipts being assigned to the support of the publication *Copeia*, which has been issued monthly since December, 1913, to advance the science of cold-blooded vertebrates.

The president of the society, Dr. Dean, presided at the morning and afternoon sessions of the public meeting, during the presentation of the following twenty-two papers:

"The Status and Needs of Our Study of Fishes," by Professor Bashford Dean.

"Origin of the Anura" (lantern slides), by Dr. W. K. Gregory.

"The Life-history and Habits of the Star-gazer, *Astroscopus*" (lantern slides), by Professor Ulric Dahlgren.

"Some Features of Ornamentation in the Cyprinodonts," by Mr. Henry W. Fowler.

"On the Discovery of the Great Lake Trout, *Cristivomer namaycush*, in the Pleistocene of the Middle West," by Dr. L. Hussakof.

"Hibernation and Food Supply," by Dr. W. H. Ballou.

"Some Life Habits of the Hog-nosed Snake" (lantern slides), by Mr. J. Fletcher Street.

"*Anomalops*, a New Genus," by Mr. C. F. Silvester.

"The Year's Herpetological Activity at the Museum of Comparative Zoology," by Mr. G. K. Noble.

"The Dean Bibliography of Fishes about to be published by the American Museum," by Dr. Charles R. Eastman.

"Development and Habits of *Ambystoma tigrinum* on Long Island" (lantern slides), by Mr. George P. Engelhardt.

"Some Congo Amphibians and Reptiles" (lantern slides), by Mr. James P. Chapin.

"Some Reptiles of the Colorado Desert, with Remarks on Their Associational Distribution and Environmental Relationships," by Mr. Charles L. Camp.

"Native Congo Fisheries" (lantern slides), by Mr. Herbert Lang.

"Collecting Amphibia and Reptiles in Florida," by Mr. Richard F. Deckert.

"Snakes of Santo Domingo" (lantern slides), by Mr. Clarence R. Halter.

"Collecting in Borneo" (lantern slides), by Mr. D. D. Streeter.

"Notes on Long Island Sharks," by Mr. J. T. Nichols and Mr. R. C. Murphy. (By title.)

"Albinism in the Western Gopher Snake," by Mr. Tracy I. Storer. (Read by Mr. C. L. Camp.)

"The Need of a Critical Study of the Squamation of Serpents," by Captain J. C. Thompson. (By title.)

"Conservation of Reptile Life," by Mr. P. D. R. Rütthling. (By title.)

"Reptiles and Amphibia Collected in the Painted Desert" (illustrated with specimens and photographs), by Mr. Dwight Franklin.

ROBERT C. MURPHY

## THE INDIANA ACADEMY OF SCIENCE

THE Indiana Academy of Science met in Indianapolis, December 3-4, and presented the following papers:

President W. A. Cogshall's address on "The Origin of the Universe."

## THE SYMPOSIUM ON HEREDITY

"A Résumé of the Work on Heredity," by Dr. F. Payne.

"Fifteen Years of Mendelism; Mendelism, the Key to the Architecture of the Germplasm," by Dr. Roscoe R. Hyde.

"Heredity in Man," by Dr. Charles B. Davenport.

"A Memoir of Donaldson Bodine," by H. W. Anderson.

"Memoir of Josiah T. Scovel," by Charles R. Dryer.

"Twelve of Nature's Beauty Spots in Indiana" (lantern), by Edward Barrett.

"Concerning the Report of the Survey of Lake Maxinkuckee," by Amos W. Butler.

"A Field Trip in General Science," by B. H. Schockel.

"The Tobacco Problem," by Robert Hessler.

"Histological Changes in Testes of Vasectomized Animals," by Burton D. Myers.

"The Minimum Lethal Infecting Dose of Trypanosomes," by C. A. Behrens.

"Tolerance of Soil Bacteria to Media Variations," by H. A. Noyes.

"Some Methods for the Study of Plastids in Higher Plants," by D. M. Mottier.

"The Morphology of *Riccia fluitans*," by Fred Donaghy.

"Plants not Hitherto Reported from Indiana," by Chas. C. Deam.

"Indiana Fungii," by J. M. Van Hook.

"The Second Blooming of *Magnolia soulangeana*," by D. M. Mottier.

"Additional Notes on Rate of Tree Growth," by Stanley Coulter.

"The Effect of Centrifugal Force on Plants," by F. M. Andrews.

"Some Preliminary Notes on the Stem Analyses of White Oak," by Burr N. Prentice.

"Botanic vs. Biologic Gardens" (illustrated by specimens), by Robert Hessler.

"Soluble Salts of Aluminum in Water from an Indiana Coal Mine," by S. D. Conner.

"Detection of Nickel in Cobalt Salts," by A. R. Middleton and H. L. Miller.

"The Use of the Spectrophotometer in Chemical Analysis," by George Spitzer and D. C. Duncan.

"The Different Methods of Estimating Protein in Milk," by George Spitzer.

"A New Cave Near Versailles," by A. J. Bigney.

"Loess Deposits in Vigo County, Indiana," by Wm. A. McBeth.

"Volume of the Glacial Wabash River," by Wm. A. McBeth.

"A Geologic Map of the Terre Haute Region," by B. H. Schockel.

"A Bibliography of Geographical Material," by B. H. Schockel.

"Settlement and Development of the Lead and Zinc Mining Region of the Upper Mississippi," by B. H. Schockel.

"A Few Science Wonders of the Cement Age" (lantern), by F. W. Gottlieb.

"The Fauna of the Trenton and Black River Series of New York," by H. N. Coryell.

"Gamma Coefficients with Applications to the Solution of Difference Equations and Determination of Symmetric Functions of the Roots of an Equation in the Terms of the Coefficients," by Arthur S. Hathaway.

"Some Determinants Connected with the Bernoulli Numbers," by K. P. Williams.

"Some Relations of Plane to Spheric Geometry," by David A. Rothrock.

"Some Notes on the Mechanism of Light and Heat Radiations," by James E. Wyant.

"A Standard for the Measurement of High Voltages," by C. Francis Harding.

"Ionization Produced by Different Thicknesses of Uranium Oxide," by Edwin Morrison.

"Radioactivity of Richmond Water," by Edwin Morrison.

"A Student Photographic Spectrometer" (lantern), by Edwin Morrison.

"An Experimental Determination of the Velocity of Sound Waves of Different Intensities" (lantern), by Arthur L. Foley.

"A Simple Method of Harmonizing Leyden Jar Discharges" (lantern), by Arthur L. Foley.

"An Electroscopic for Measuring the Radioactivity of Soils" (lantern), by R. R. Ramsey.

"Some Photographs of Explosions in Gas" (lantern), by John B. Dutcher.

"The Cause of the Variation in the Emanation Content of Spring Water" (lantern), by R. R. Ramsey.

"A Standard Condenser of Small Capacity" (lantern), by R. R. Ramsey.

"A Comparison of Calculated and Experimental Radii of the Ring System by Diffraction and an Extension of Lommel's Work in Diffraction" (lantern), by Mason E. Hufford.

"Rate of Humification of Manures," by R. H. Carr.

"An Instance of Division by Constriction in the Sea-Anemone, *Sagartia luciae*," by Donald W. Davis.

"Data on the Food of Nestling Birds," by Will Scott and H. E. Enders.

"Two New Mutations and Their Bearing on the Question of Multiple Allelomorphs," by Roscoe R. Hyde.

"A Study of the Oxygenless Region of Center Lake," by Will Scott and H. G. Imel.

"The Lakes of the Tippecanoe Basin," by Will Scott.

A. J. BIGNEY,  
Secretary (Retiring)